

ABSTRACT OF THE DISCLOSURE

[0031] A multi-position electrical connector for a robotic tool changer includes a bracket mountable to a robotic tool changer master or tool module, a coupling interface in a fixed position with respect to the bracket, and a cable interface moveable to a plurality of positions with respect to the bracket. Both the coupling interface and the cable interface include a plurality of electrical contacts, which are electrically connected. In one embodiment, the cable interface is disposed at substantially 90 degrees to the coupling interface, and is rotatable about an axis of the coupling interface. The cable interface may be fixed in one of a plurality of positions around the coupling interface. In one embodiment, a selected position is fixed by mating a retention member on one of the cable interface and the bracket, with a recess on the other of the cable interface and the bracket.